AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

- 1 18 (Cancelled).
- 19. (Currently Amended) A pointing device comprising:
 - a ring-like magnet that is movably supported in parallel to a plane, and is internally and externally magnetized in the direction of its radius of said ring-like magnet; and
 - a plurality of magnetic sensors for detecting magnetic flux density

 produced by said ring-like magnet in a direction parallel to the plane

 are placed outside or inside said ring-like magnet, wherein
 - said magnetic sensors are disposed symmetrically from each other to said ring-like magnet,
 - said magnetic sensors detect variations in the magnetic flux density in the direction parallel to the plane, the variations being caused by movement in a direction parallel to the plane of said ring-like magnet.
- 20. (Previously Presented) The pointing device as claimed in claim 19, wherein said ring-like magnet is internally and externally unipolarly magnetized.

- 21. (Currently Amended) The pointing device as claimed in claim [[20]] 19, further comprising a printed circuit board on which a resin layer with elastic deformation is provided, wherein said ring-like magnet is fixed to said resin layer, and said ring-like magnet is movably supported in parallel to said printed circuit board, said magnetic sensors are placed on said printed circuit board.
- 22. (Cancelled).
- 23. (Currently Amended) The pointing device as claimed in claim [[20]] 19, wherein said magnetic sensors are magnetic sensors utilizing Hall effect, and the output signals are proportional to the magnetic flux density.
- 24. (Currently Amended) The pointing device as claimed in claim [[20]] 19, wherein said magnetic sensors are magnetic sensors utilizing magneto-resistive effect.
- 25. (Currently Amended) The pointing device as claimed in claim [[20]] 19, further comprising an origin returning means for returning said ring-like magnet to the origin using magnetic force generated by said ring-like magnet.
- 26. (Currently Amended) The pointing device as claimed in claim 19, wherein said ring-like magnet is magnetized in the direction of its radius and magnetized in a multipolar manner in the direction of its circumference has at least one of its internal wall and external wall magnetized in a multipolar manner, and said magnetic sensors are disposed and faced to a magnetic pole center of said ring-like magnet magnetized in a multipolar manner.
- 27-32 (Cancelled).

- 33. (Currently Amended) The pointing device as claimed in claim [[32]] <u>21</u>, wherein said resin layer and said printed circuit board have their opposing faces not bonded to each other.
- 34. (Currently Amended) The pointing device as claimed in claim [[32]] <u>21</u>, wherein said resin layer is an elastic sheet.
- 35. (Currently Amended) The pointing device as claimed in claim [[32]] <u>21</u>, wherein said resin layer is a silicone resin.
- 36. (Cancelled).
- 37. (Currently Amended) The pointing device as claimed in claim [[32]] 21, further comprising a switch on the resin layer side of said printed circuit board and at about the center of said ring-like magnet.
- 38. (Previously Amended) The pointing device as claimed in claim 37, further comprising a projection for depressing said switch at a portion facing said switch on said resin layer.

39-42. (Cancelled).

- 43. (Currently Amended) The pointing device as claimed in claim [[42]] 23, wherein said magnetic sensors utilizing the Hall effect are disposed on the resin layer side of said printed circuit board to detect the magnetic flux density in a direction parallel to the surface of said printed circuit board.
- 44. (Currently Amended) The pointing device as claimed in claim [[42]] <u>23</u>, wherein said magnetic sensors utilizing the Hall effect are magnetic sensors with a single output terminal.

- 45. (Cancelled).
- 46. (Currently Amended) The pointing device as claimed in claim [[45]] <u>24</u>, wherein said magnetic sensors utilizing the magneto-resistive effect are semiconductor magneto-resistive elements which are disposed on the resin layer side of said printed circuit board to detect the magnetic flux density in a direction parallel to the surface of said printed circuit board.
- 47. (Currently Amended) The pointing device as claimed in claim [[45]] 24, wherein said magnetic sensors utilizing the magneto-resistive effect are four semiconductor magneto-resistive elements disposed symmetrically on X and Y axes, which are two axes on a two dimensional plane of an orthogonal system, wherein two magnetic sensors on the X axis are electrically connected at a first connection point; and two magnetic sensors on the Y axis are electrically connected at a second connection point, and wherein said pointing device detects variations in ambient magnetic flux density caused by movement of said ring-like magnet using electric signals at the first and second connection points.
- 48. (Cancelled).
- 49. (Currently Amended) An electronic device incorporating the pointing device as defined in any one of claims 19-48 19-21, 23-26, 33-35, 37, 38, 43, 44, 46, and 47.